

A - The Set Book

1- Choose the correct answer:

1. The Aswan High Dam has controlled the flow of the River Nile 1970, when its construction was completed.
a) since b) for c) from d) during
2. If the warehouse had been guarded by a policeman, the boxes been stolen.
a) will not have b) have not c) would not d) would not have
3. Bauxite is carried on a conveyor to the crusher, breaks it into small pieces.
a) where b) from where c) which d) by which
4. Iron ore is made into steel the process of smelting.
a) from b) for c) by d) at
5. Spandex is capable to 500 % of its original size, without breaking and returning to its original size and shape.
a) to stretch b) to be stretched c) of being stretched d) stretched
6. Oil reserves can be increased by the of more oil from the seabed.
a) extract b) extraction c) extracted d) extracts
7. Nylon is a fabric, that is why it is used for making rain coats.
a) water resistant b) water resist c) water resistance d) resist to water
8. The paper machine has two ends. Wet wood pulp is fed into the of the machine, and dry paper emerges from the dry end.
a) slender b) wire section c) dry end d) wet end
9. The Suez Canal is an important water way, the Mediterranean Sea to the Red Sea.
a) connecting b) knitting c) bonding d) launching
10. consists of an oscillator and an antenna.
a) A coverage b) An antenna c) A radio transmitter d) A dish
11. Glass has shatter - resistant properties.
a) poor b) excellent c) strong d) tall
12. Hydrogen is one of the gases found in
a) land b) air c) water d) rock

2- Match a part from A with a part from B:

A	B
1. income d	a. finish
2. toxic 9	b. keep
3. convert	c. to change from one state to another
4. retain	d. salary or pay
5. to build	e. pulling force
	f. construct
	g. poisonous

3- Rewrite the following, using word(s) in brackets to give the same meaning:

1. Most thermoplastics ~~can be recycled easily~~ (are capable of recycling easily)
2. Markers are used ~~so that the location of the pipeline can be seen~~ (in order to see the location of the pipeline)
3. Do all bottles ~~have to be sterilized before they are used~~ (must)
4. Tell me the quantity of nails you need. (How many... nails do you need)
5. Fibre and co-axial programmes are sent by fibre-optic cable to the earth. Here they are mixed and

B - Reading Comprehension

4- Read the following passage, then answer the questions below:

There are several ways of food preservation. All raw food contains bacteria. The aim of food preservation is to slow down the activity of the bacteria, or to kill the bacteria completely. Refrigeration and freezing are two ways of preserving food. Refrigeration slows bacterial action. It takes food much longer to spoil. Freezing stops bacterial action completely. Refrigeration does not change a food's taste, but freezing has a small effect on the taste of meats and vegetables.

Canning is another way of preserving food. After boiling the food in the can to kill bacteria, you seal the can to prevent any new bacteria from getting in, but when you boil the food its taste changes and may lose some nutrition.

Freeze-drying is a special form of dehydration that removes all moisture and does not change the food's taste. After freezing, the food is placed in a strong vacuum. The water in the food turns straight from ice into vapour. This way is used for making instant-coffee and for preserving fruits.

A. Answer the following questions:

1. Why is food preservation important ?
2. Mention some ways of preserving food.
3. Why is a can sealed after boiling the food ?
4. Which way is used for preserving fruits ?

B. Choose the correct answer from a, b, c or d:

5. Food should be preserved to prevent bacteria spoiling it.
a) of b) from c) in d) off
6. After boiling the food it must be
a) sent b) sold c) eaten d) sealed
7. In the freeze-drying way all moisture is
a) remove b) removing c) removed d) removes
8. Refrigeration bacterial action.
a) slows b) slowing c) slowed d) slower

C - Dialogue

5- Supply the missing parts in the following dialogue between Heba and an interviewer. Heba has applied for a new job:

Interviewer: How long have you been working?
Heba : I've been working for 3 years.
Interviewer: Did you enjoy the job?
Heba : Yes, I did.
Interviewer: Why did you decide to leave?
Heba : I decided to leave to learn some new skills.
Interviewer: Why would you like to work in our company?
Heba : To learn some new skills.

D - Writing

6- Write a paragraph of (10) lines on: "clothes in the past, and in the future" using the following guiding words and phrases :

In the old days - were made of fibres - and / Nowadays - possible - clothes - substances as - and - silk - fibre / clothes - of polyester mixed - cotton / In the future - be able - buy digital - made - textile - contain computers / We may - smart shirt - can - heart rate - breathing.

E - Translation

7- A. Translate into Arabic: I work for the Arab Gas Pipeline Co. My company is building a natural gas pipeline from Egypt through Jordan and Syria to Lebanon.

B. Translate into English:

1- many of industrial project carried out all over the country.
2- the wind is a clean source of energy.
3- we must boil the milk before drinking it.

** أسئلة هذه المادة في صفتين **

A - 'The Set Book

1- Choose the correct answer:

- 1- A satellite radio system consists broadcasting stations and digital radio receivers.
a) by b) of c) with d) in
- 2- The fastest land vehicle in the world is a
a) jet-powered car b) jet-powered plane c) bicycle d) train
- 3- The paper making process is usually carried out on a paper
a) car b) factory c) machine d) building
- 4- Bauxite is carried on a conveyor belt to the crusher breaks it into small pieces.
a) where b) from where c) which d) by which
- 5- The pumping station built five years ago.
a) was b) has c) has been X d) be
- 6- Oil reserves can be increased by more oil from the seabed.
a) extracting b) extracted c) extract d) extraction
- 7- means to make something less.
a) Reduce b) Reduced c) Reduces d) Reduction
- 8- When you apply for a new job, you should ask what your will be.
a) come b) income c) welcome d) coming
- 9- If the driver had looked at his mirror before turning left, he the accident.
a) would avoid b) did avoid c) would be avoided d) would have avoided
- 10- What are your Hany? Do you play any sports or musical instruments?
a) interest b) interested c) interests d) interesting
- 11- In the process of the milk is heated, but not boiled.
a) canning b) freezing c) melting d) pasteurization
- 12- Fortunately the shelves in the warehouse are made of steel instead of wood which means that they are incapable of if there is a fire.
a) being burnt b) to burn c) burnt d) to be burnt

2- Match a part from A with a part from B:

A	B
1- Seventy million <u>d</u>	a) a tall structure on high ground. <u>2</u>
2- Radar is a device that <u>b</u>	b) detects the <u>location</u> and <u>speed</u> of objects. <u>2</u>
3- A water tower is <u>a</u>	c) poisonous.
4- The speed of the satellite <u>e</u>	d) the approximate population of Egypt. <u>1</u>
5- Aluminum is produced from <u>g</u>	e) how fast the satellite is moving. <u>4</u>
	f) pulling force.
	g) a white powder called alumina. <u>5</u>

3- Rewrite the following sentences using the word(s) in brackets to give the same meaning:-

- 1- Men bring bauxite from the mine. Bauxite is brought from the mine
- 2- How many countries does the satellite cover? I'd like to know how many countries the satellite covers (I'd like to know)
- 3- Satellite radio is a new technology. In this technology digital radio waves are transmitted to earth by satellite. (in which)
- 4- Spandex has the ability to return to its original size after stretching. (capable)
- 5- Fresh milk has to be processed before we can drink it. (Why) Why

بقية الأسئلة في ظهر الورقة

Why does fresh milk have to be processed before we can drink it?

B - Reading Comprehension

4- Read the following, then answer the questions below:

Although natural gas lacks colour, shape and smell, it has one important property which makes it very important for industry. This is its ability to burn easily. When it is burnt, it is capable of producing a great deal of energy. Other fossil fuels such as coal and oil are also combustible, but natural gas has two main advantages. Firstly, it burns cleanly, resulting in the emission of considerably less toxic material into the air. Secondly, it can be cooled and condensed into liquid form.

Unfortunately, natural gas leaks can lead to serious accidents, due to its inability to be detected by human sense. Potentially explosive leaks can only be detected by means of special equipment.

Despite this disadvantage, natural gas is a major Egyptian industry. Today 90 percent of the Egyptian power industry uses natural gas, which allows us to save more of our oil for export.

A. Answer the following questions:

- 1- What makes natural gas very important for industry?
- 2- What are the two main advantages of natural gas?
- 3- Why do natural gas leaks lead to serious accidents?
- 4- Why does Egypt export more oil today?

B. Choose the correct answer from a, b, c or d:

- 5- Natural gas is a Egyptian industry.
a) main b) one c) important d) fuel
- 6- Today Egypt more oil.
a) imports b) exporting c) exports d) important
- 7- Natural gas can be and condensed into liquid form.
a) cool b) cooled c) heated d) burnt
- 8- Natural gas is a fuel.
a) colour b) colourful c) coloured d) colourless

C - Dialogue

5- Supply the missing parts in the following dialogue:

Ali is a safety manager in a building company. He has written a report investigating the collapse of a building built by his company. Hassan is his colleague.

- Hassan : What's the purpose of your report?
 Ali : The purpose of my report is to find out why the building collapsed.
 Hassan : Who ask you to write it?
 Ali : The Managing Director asked me to write it.
 Hassan : What do you find?
 Ali : I found that the concrete of the foundation had many cracks.
 Hassan : What do you recommend?
 Ali : I recommend that all concrete used by our company should be tested.

D - Writing

6- Write a paragraph of (10) lines on : " Healthy milk "

The following words may help you.

Fresh milk - processed - before - drunk / boiling - all - bacteria / many people - boiled milk - change - taste / pasteurization - a temperature - kill - bacteria - without destroying - taste - nutrition / in-order to - kill - all bacteria - must - boiled - a higher - temperature / but - temperature - milk flavour /

E - Translation

7- A. Translate into Arabic:

All raw food contains bacteria. If it is left for half a day the bacteria can spoil the food and cause disease. The aim of food preservation is to slow down the activity of bacteria or kill it completely.

B. Translate into English:

١- إن الزعفرانة من أحسن الأماكن في العالم لتحويل قوة الرياح إلى كهرباء .

٢- إن حد السرعة في مصر هو مائة كيلومتر على الطرق السريعة .

the speed limit in Egypt is 100 km on the high ways.

ARAB REPUBLIC OF EGYPT
MINISTRY OF EDUCATION

Advanced Technical Studies of Industry Diploma Examination (5-year course)

English Language

Second Session, 2006

جميع تخصصات الفنى الأول والمدرّب (نظام حديث)

Time : 3 Hours

الدور الثاني ٢٠٠٦

عدا مدرسة سلطان العويس

لغة إنجليزية

أسئلة هذه المادة في صفحتين

A - The Set Book

1- Choose the correct answer:

- 1- The wind blows on the blades at high speed, which their rotation.
a) results b) causes c) makes d) leads
- 2- To means to change from one state to another.
a) construct b) extract c) convert d) install
- 3- I recommend that the deck of the new bridge should using the most hi-tech materials.
a) be constructed b) construct c) to construct d) be construct
- 4- Some kinds of plastics are very easily.
a) recycle b) recycling c) recyclable d) recycles
- 5- Radar is a system which is used for detecting the of an object from the radar.
a) length b) altitude c) motion d) distance
- 6- The strong wind was responsible the collapse of the Tacoma bridge.
a) for b) with c) in d) by
- 7- What would you do, if you the fire alarm?
a) hear b) heard c) hears d) hearing
- 8- The Mubarak pumping station is expected to provide enough for the New Delta.
a) tea b) oil c) water d) sugar
- 9- Aluminum can be combined with other materials to new alloys.
a) made b) making c) makes d) make
- 10- The wind in different directions.
a) blows b) plays c) runs d) flies
- 11- The gas pipe is checked carefully any damage can be discovered.
a) with the aim of b) would c) with the purpose d) in order that
- 12- Iron ore is made into steel the process of smelting.
a) from b) by c) means d) for

2- Match a part from A with a part from B:

A	B
1- Recycle means <u>a</u>	a) non-poisonous to humans.
2- Ending the call <u>f</u>	b) It has good reflectivity.
3- The location of the satellite <u>e</u>	c) able to carry a large quantity of electricity.
4- It lacks toxicity <u>a</u>	d) it reflects light.
5- High-capacity <u>c</u>	e) Where the satellite is.
	f) Thank you for calling, good bye.
	g) The metal can be reproduced and reused.

3- Rewrite the following sentences using the word(s) between brackets to give the same meaning:

- 1- A centrifugal pump converts velocity into water pressure. (velocity) → so that they can respond quickly to a fire.
- 2- Emergency staff are trained with the aim of responding quickly to a fire. (so that) → now he is the sun
- 3- Astronomers can calculate the temperature of the sun. (how hot) → I'd like to know where the world's tallest building
- 4- Where is the world's tallest building? (I'd like to know) → (I'd like to know)
- 5- If the bridge had been designed well, it not (be) destroyed. (been) → It wouldn't have been destroyed

B - Reading Comprehension

4- Read the following passage, then answer the questions below:

Electricity is produced from various sources. The wind is one of the cleanest sources of electricity. When the wind drives the blades of a wind turbine to create electricity, it does not pollute the environment.

One of the main energy sources used today is fossil fuels. Coal is mined from the earth and burned to heat water to produce steam which drives the turbines and generates electricity. Fuel oils are another

widely-used source of electricity, but fossil fuels have some disadvantages such as, they are not a cheap source of energy, burning causes pollution, the process uses up fuels which have taken millions of years to form. They can't be renewed.

Water is a cheap source of energy. On flat land a dam may be built to form an artificial lake. Much of Egypt's electricity supply is generated from the High Dam. Nuclear energy is the most recent source of power. Energy is released by the splitting of uranium or plutonium atoms.

Scientists are also working hard to develop alternative sources of energy which are renewable, clean and safe. Solar energy from the sun can be stored and used for heating or converted by solar cells into energy.

A- Answer the following question:-

- 1- Where does much of Egypt's electricity come from?
- 2- How can the sun be a source of energy?
- 3- Mention two of the disadvantages of fossil fuels as a source of energy?
- 4- What are the clean sources of energy?

B- Choose the correct answer from a, b, c or d:-

- 5- Water is a source of energy.
a) expensive b) bad c) dirty d) cheap
- 6- Burning fossil oils the environment.
a) pollutes b) safes c) cleans d) clears
- 7- Scientists are trying to find sources of energy.
a) old b) pollutant c) renewable d) dirty
- 8- Dams are used generating electricity.
a) by b) for c) with d) in

C - Dialogue

5- Supply the missing parts in the following dialogue:

Ahmed is applying for a job in a TV repair shop. An interviewer is meeting him.

- Interviewer : (1)? *Have you worked in ...?*
- Ahmed : Yes, I have worked in a TV repair shop.
- Interviewer : (2)? *How long did you work ...?*
- Ahmed : I worked for two years.
- Interviewer : (3)? *Do you enjoy ...?*
- Ahmed : Yes, I enjoy repairing TVs.
- Interviewer : Why do you want to come and work in this shop?
- Ahmed : (4)

D - Writing

6- Write a paragraph of (10) lines on "Hydrogen-powered vehicles":

The following words may help you:

now - car - powered - hydrogen - oil / in Cairo - lot - cars - powered - hydrogen / Hydrogen - produced - natural gas / it - a clean - renewable fuel / it - not / pollute - environment / Hydrogen - must - kept cold / it - non toxic / in the future vehicles - be powered - hydrogen.

7- A. Translate into Arabic:

In the old days, all clothes used to be made from natural fibres such as cotton or silk. But nowadays it is possible to make clothes from substances such as oil or coal.

B. Translate into English:

The aim of reserving food is to kill bacteria completely or slow its activity.

١- إن الهدف من حفظ الطعام هو إبطاء نشاط البكتيريا أو قتلها تماماً.

٢- يبحث العلماء في الوقت الحاضر عن مصادر نظيفة للطاقة مثل الرياح.

أسئلة هذه المادة في درجتين

A - The Set Book

1- Choose the correct answer:

- The pulp is pumped into a large head box or vat, acts as a storage container for the pulp before it is poured onto the wire screen.
(a- which) b- in which % c- where d- from where
- The shelves in the warehouse are made of steel instead of wood, which means that they are incapable of if there is a fire.
a- to be burnt b- to burn c- burnt d- being burnt
- We need to use aerial photography to calculate the pipeline.
a- how long is b- the length of c- what length is d- how is the length of
- I recommend that we should the deck of the new bridge using the most hi-tech materials.
a- be constructed b- construct c- to construct d- constructed
- The flavor of the milk is changed the high temperature of UHT.
a- causing b- resulting in c- because d- owing to
- When the wood pulp is dried on the wire mesh, the fibres of pulp begin to together and form a thin layer of paper.
a- adhere b- extract c- separate d- reel
- Nylon is a Fabric, which is why it is used for making raincoats
a- water resistant b- water resists c- water resistance d- resistant to water.
- If the factory had been guarded by a police man, the boxes been stolen
a- will not have b- would not c- would not have d- have not.
- Polyester is a good material for making sails, because it can abrasion and stretching.
a- absorb b- lack c- withstand d- retain
- Radar is a system which is used for detecting the of an object from the radar.
a- length b- motion c- altitude d- distance

2- Match a part from (A) with a part from (B):

(A)	(B)
1- indestructible	a- to squeeze or push something out
2- corrodible	b- to manufacture %
3- a water tap	c- stretching or pulling apart
4- portable	d- causing something to be rusted 2
5- production.	e- unable to be destroyed by anything 1
	f- able to be carried around 11
	g- it starts and stops the flow of water into other containers. 3

3- Rewrite the following, using the word(s) in brackets to give the same meaning:

- The cost of cotton clothes will be lowered by producing more raw cotton fiber. (production)
- The satellite transmitting this radio programme was launched last year. (which)
- Some kind of plastic can be recycled very easily. (recyclable)
- Meat is often wrapped in PVC cling film owing to being transparent and impermeable to gases and liquids. (because)
- A special thermometer is used for measuring the temperature of the room. (how hot)

B - Reading Comprehension

4. Read the following, then answer the questions below:

Pure natural gas lacks colour, shape and smell, but it has one important property which makes it very important for industry. This is its combustibility. When it is burned, it is capable of producing a great deal of energy. Other fossil fuels (such as coal and oil) are also combustible, but this one has two major advantages. Firstly, it burns cleanly, resulting in the emission of considerably less toxic material into the air. Secondly, it can be cooled and condensed into liquid form, called LNG. The volume of LNG is one-sixth the volume of natural gas. It is therefore cheaper and easier to transport LNG along pipes than natural gas. Unfortunately, natural gas leaks can lead to serious accidents due to its inability to be detected by human senses. Potentially explosive leaks can be detected by means of special equipment. Today 90 per cent of the Egyptian power industry uses natural gas, which allows us to save more of our oil export.

بقية الأسئلة في الجزء الثاني

a) Answer the following questions:

- 1- What are the two main advantages of pure natural gas compared with oil?
- 2- Why can natural gas leaks lead to serious accidents?
- 3- How can potentially explosive leaks be detected?
- 4- What allows us to save more of our oil for export?

b) Choose the correct answer from a, b, c or d:

- 5- It is to transport LNG along pipes.
a) hard b) easy c) difficult d) expensive
- 6- Which one of the following is a property of natural gas but not of coal?
a) visibility b) energy c) clean emissions d) transportability
- 7- What does the underlined word "this" refer to?
a) industry b) property c) smell d) natural gas
- 8- What does the underlined word "one" refer to?
a) oil b) coal c) natural gas d) fossil fuel

C- Dialogue

5. Supply the missing parts in the following dialogue:

Ahmed is a safety manager in a building company. He has written a report investigating the collapse of a building built by his company. Hassan is his colleague.

- Hassan : (1)?
- Ahmed : I wrote the report to find out why the building collapsed.
- Hassan : (2)?
- Ahmed : The managing director asked me to write it.
- Hassan : (3)?
- Ahmed : I investigated the collapse by testing all the materials in the building.
- Hassan : (4)?
- Ahmed : I recommend that all concrete used by our company should be tested.

D - Terminology (Resource Book)

6. Fill in the spaces with words from the list:

qualification- reduction - pasteurization - took down - combination

- 1- In the process of, milk is heated, but not boiled.
- 2- The secretary everything that the manager said at the meeting.
- 3- Hydrogen fuel cells use the principle that the of hydrogen and oxygen will produce electricity and water.
- 4- In the section of your CV, you should write down all the certificates, diplomas or degrees which you have received.

E - Writing

7. Write a paragraph of (10) lines on " Satellite Radios ":

You can use the following guiding words :

(new technology - digital radio waves - music and sports - began - via satellite - hundreds of channels - clearer - CD quality sound - like them - useful)

F- Translation

8 a) Translate into Arabic:

If electricity is passed through water, the water can be split into hydrogen and oxygen. This process is called electrolysis.

b) Translate into English:

١- يتم تنفيذ كثير من المشروعات الصناعية في كل أنحاء العالم.

٢- نقوم بتدريب فرق الطوارئ بهدف الاستجابة بسرعة في حالة الحوادث والحرائق.

٣- من الممكن أن نصنع الورق في المنزل.

1- Many industrial projects are carried out all over the country.

التمتد الأنشطة

موزة